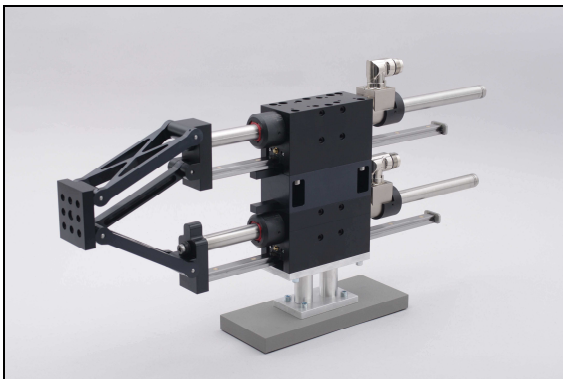


ParaPicker[®] Pick&Place with Parallel Kinematics PP02-37

The **ParaPicker[®]** PP02-37 are high-dynamic, two-axes Pick&Place systems with parallel kinematics. Two linear motor actuators are used as drives, making the moving masses very low. This also makes the PP02-37 especially suitable for applications with high cycles. As a ready-to-use construction element, PP02-37 are an ideal alternative to classic serial kinematic systems.



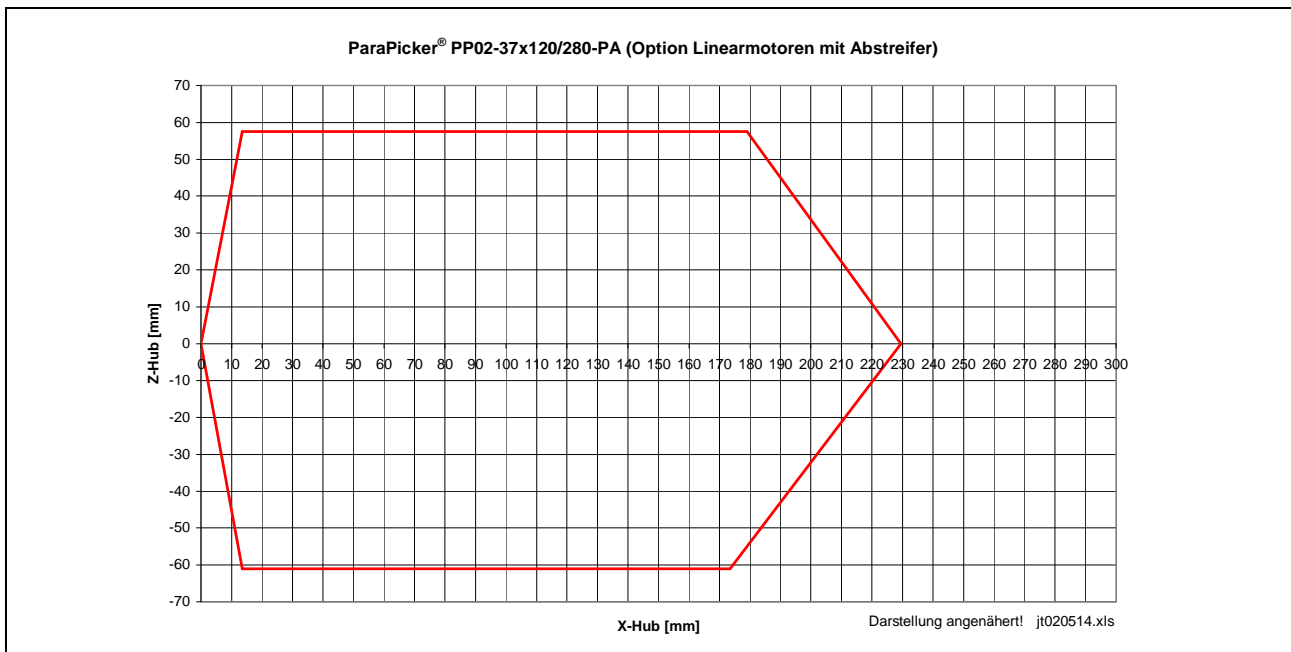
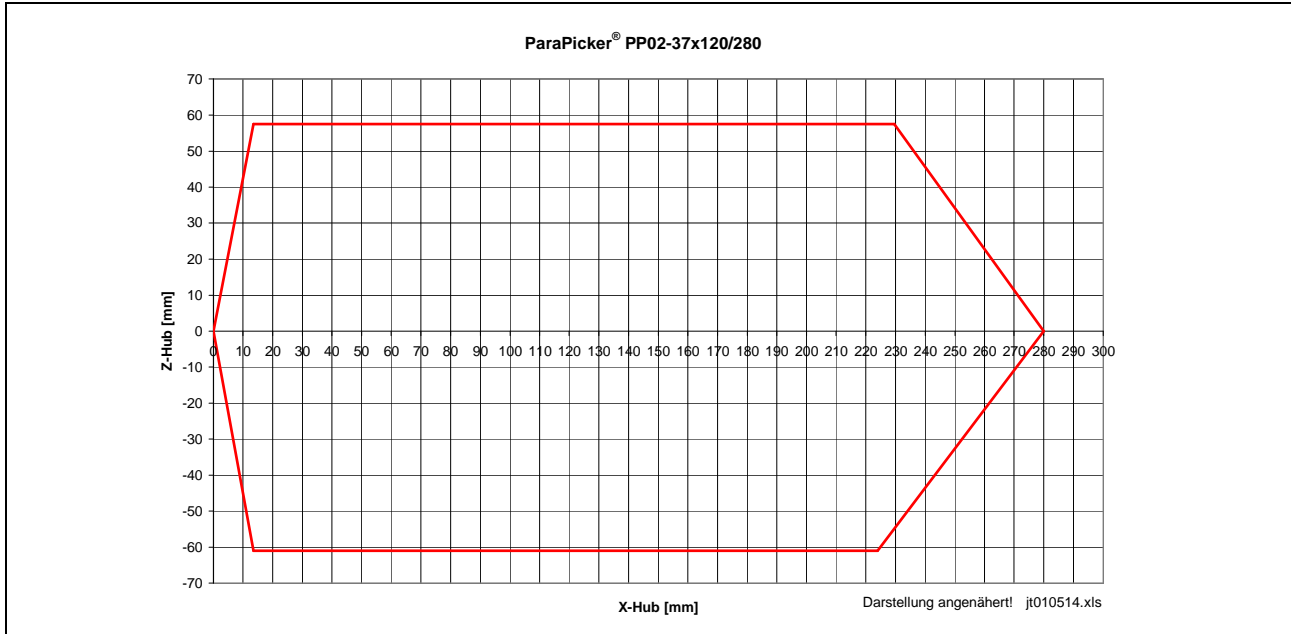
ParaPicker[®] PP02-37 Overview

- width only 60 mm
- no moving cables
- low moving masses, high bending & torsional stiffness
- very high cycles
- mechanical interface points compatible with the entire **HighDynamic[®]** series
- two linear motor actuators with tubular linear motors, precision guide with profile rail and two ball carriages each
- all hinges and guide carriages are sealed
- linear motors with wipers optionally











Data **ParaPicker[®]** PP02-37x120


Type	PP02-37x120/280
Operating Data	
max. mechanical stroke X-axis	280 mm (230 mm with wipers)
max. mechanical stroke Z-axis	118 mm
typical work area in X/Z	240 mm / 90 mm
peak force per actuator in X-axis	255 N
average force per actuator in X-axis	51 N
max. load at TCP	2,0 kg
max. velocity at TCP	ca. 3 m/s
max. acceleration at TCP	ca. 100 m/s ²
max. cycle (without still-standing) for load 100 g	300 min ⁻¹ for example X/Z strokes 70 mm / 20 mm
repeating accuracy	ca. +/- 0,3 mm
length x width x height (without console)	684 x 60 x 255 mm
total weight (without console)	ca. 9.900 g
total moving mass in X-axis	ca. 2,0 kg

Work Area **ParaPicker® PP02-37x120**



Electrical Data  **ParaPicker® PP02-37x120**

Type	PP02-37x120
Operating Data	
max. current per actuator [A]	15
max. constant current [A]	3,0
nom. DC bus voltage [VDC]	72
positioning sensors	hall sensors integrated
connectors	angle connector C-type
suitable positioning controllers	LinMot® controller
available fieldbus interfaces	         
positioning function 'Point to Point' without defined motion profile curves	taught target positions can be selected by PLC without NC function
positioning function 'NC' with defined motion profile curves	higher level control with NC functionability and fieldbus

 **ParaPicker® PP02-37x120 Options**

- linear motors with wipers (option PA) for rough environments
- MagSpring® adaptor for weight-force compensation in vertical applications
- pneumatic brake for vertical applications

LinMot® and MagSpring® are registered trademarks of NTI AG LinMot!
 Technical changes reserved!
 Rev.: 23.02.2018
 ss241117.doc